

CONSERVATION ASSESSMENT OF SENSITIVE MOONWORTS
(OPHIOGLOSSACEAE; *BOTRYCHIUM* SUBGENUS *BOTRYCHIUM*)
ON THE KOOTENAI NATIONAL FOREST

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SUMMARY

Over one hundred occurrences of six sensitive or proposed sensitive *Botrychium* species are documented on the Kootenai National Forest. These include most of the largest known populations of *B. minganense* and *B. montanum* in the state and a few large populations of *B. crenulatum*. There are also a few small occurrences of three extremely rare species, *B. ascendens*, *B. paradoxum*, and *B. pedunculosum*. The sensitive *Botrychium* species occupy a variety of moist habitats distributed across the glaciated landscapes of Forest; mostly western red cedar and western hemlock habitat types in the western part and mostly deciduous wetland habitat types in the eastern part. Primary potential threats to populations include direct impacts of logging and road building to upland occurrences and indirect and cumulative effects of these activities to lowland occurrences. USFS Region 1 sensitive status is proposed for *B. pedunculosum* which was found for the first time in the Region on the Forest in 1996, and current sensitive status is recommended retained for the other five species.

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